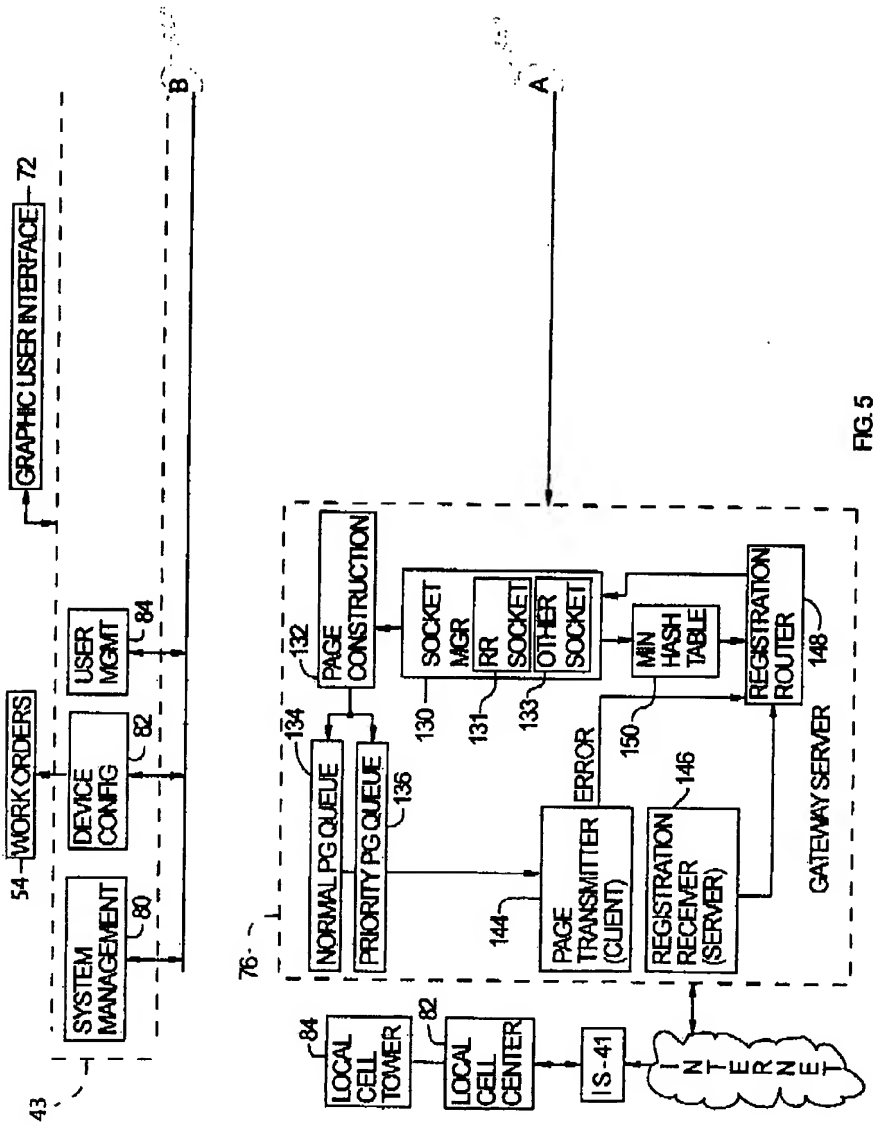
GRAPHIC USER INTERFACE
72
WORK ORDERS
54
DEVICE CONFIG
82
USER MGMT
84
SYSTEM MANAGEMENT
80
43
B
A
76
NORMAL PG QUEUE
134
PRIORITY PG QUEUE
135
PAGE CONSTRUCTION
132
SOCKET MGR
130
RR SOCKET
131
OTHER SOCKET
133
MIN HASH TABLE
150
REGISTRATION ROUTER
148
ERROR
PAGE TRANSMITTER (CLIENT)
144
REGISTRATION RECEIVER (SERVER)
146
GATEWAY SERVER
LOCAL CELL TOWER
84
LOCAL CELL CENTER
82
IS-41
INTERNET

FIG. 5

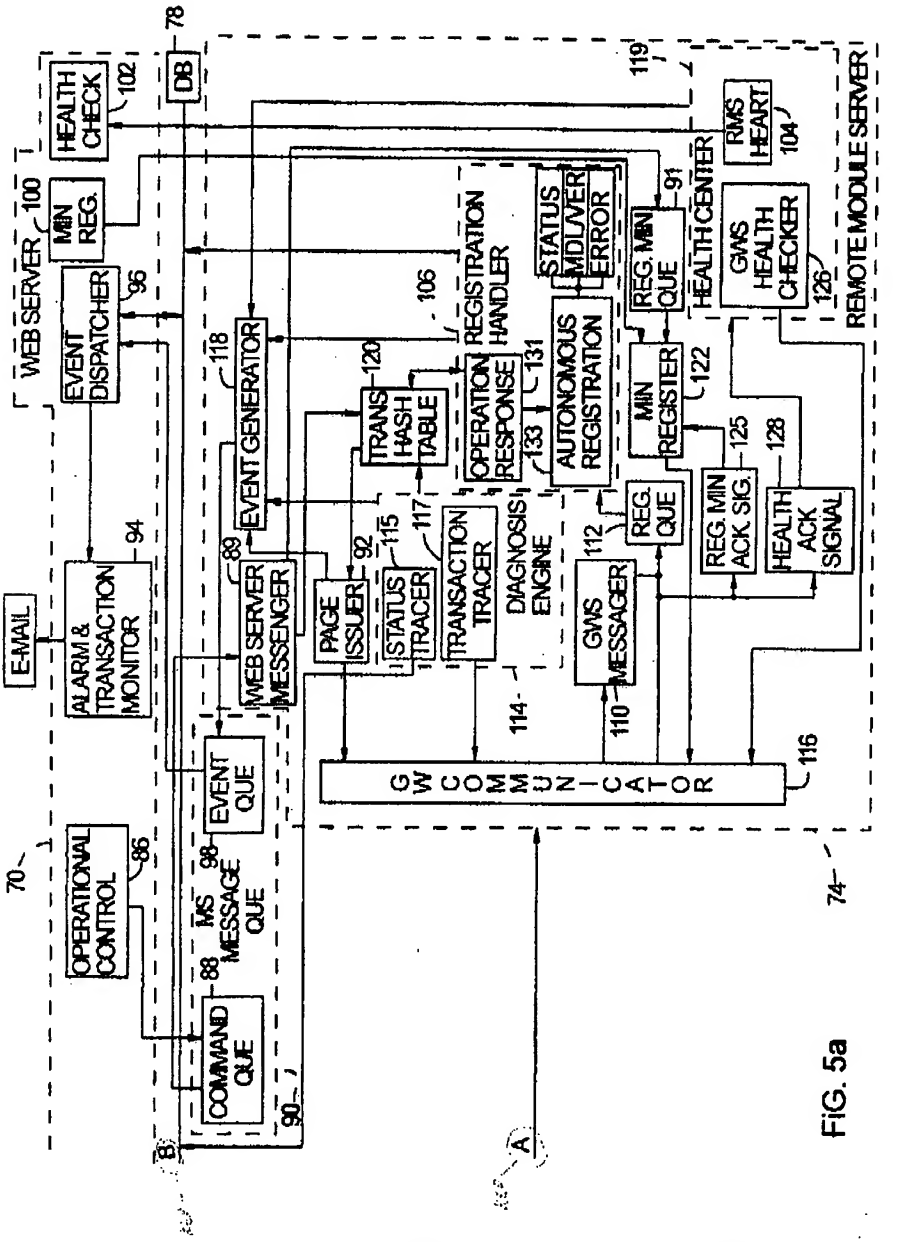
WEB SERVER
100
HEALTH CHECK
102
DB
78
MIN REG.
EVENT DISPATCHER
96
HEALTH CENTER
119
RMS HEART
104
GWS HEALTH CHECKER
126
REMOTE MODULE SERVER
REGISTRATION HANDLER
106
STATUS MDL/VER ERROR
REG. MIN QUE
91
EVENT GENERATOR
118
TRANS HASH TABLE
120
OPERATION RESPONSE
131
133
AUTONOMOUS REGISTRATION
MIN REGISTER
122
125
128
E-MAIL
ALARM & TRANSACTION MONITOR
94
WEB SERVER MESSENGER
89
PAGE ISSUER
92
STATUS TRACER
115
TRANSACTION TRACER
117
DIAGNOSIS ENGINE
114
REG. QUE
112
GWS MESSAGER
110
REG. MIN ACK. SIG
HEALTH ACK SIGNAL
GWCOMMUNICATOR
116
70
74
OPERATIONAL CONTROL
86
EVENT QUE
98
MS MESSAGE QUE
88
COMMAND QUE
90
B
A

FIG. 5a

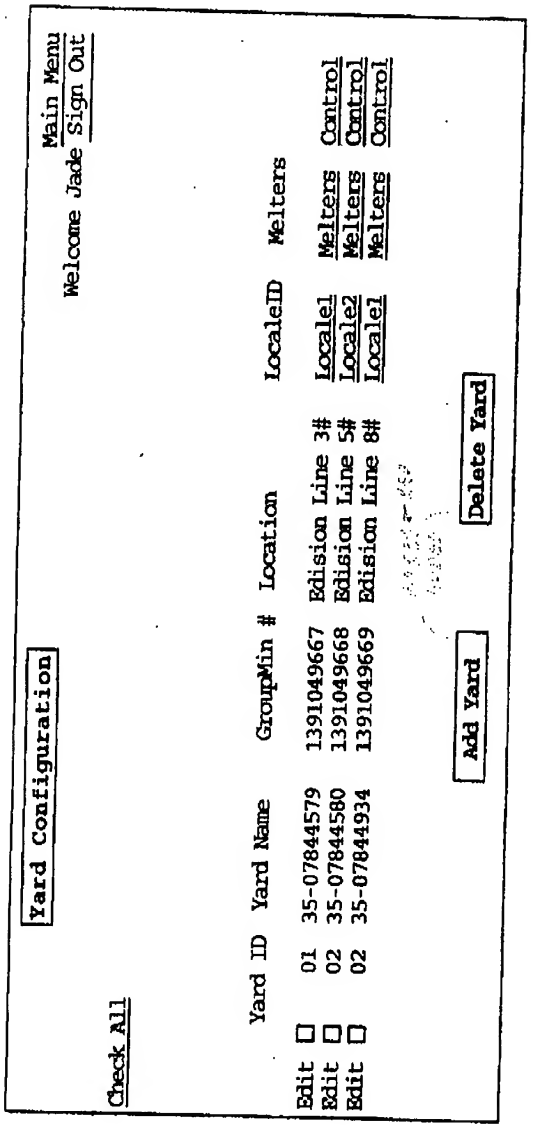
Yard Configuration
Main Menu
Welcome Jade Sign Out
Check All
Yard ID
Yard Name
GroupMin #
Location
LocaleID
Melters
Edit 01 35-07844579 1391049667 Edision Line 3# Locale1 Melters Control
Edit 02 35-07844580 1391049668 Edision Line 5# Locale2 Melters Control
Edit 02 35-07844934 1391049669 Edision Line 8# Locale1 Melters Control
Add Yard
Delete Yard

Fig. 6a

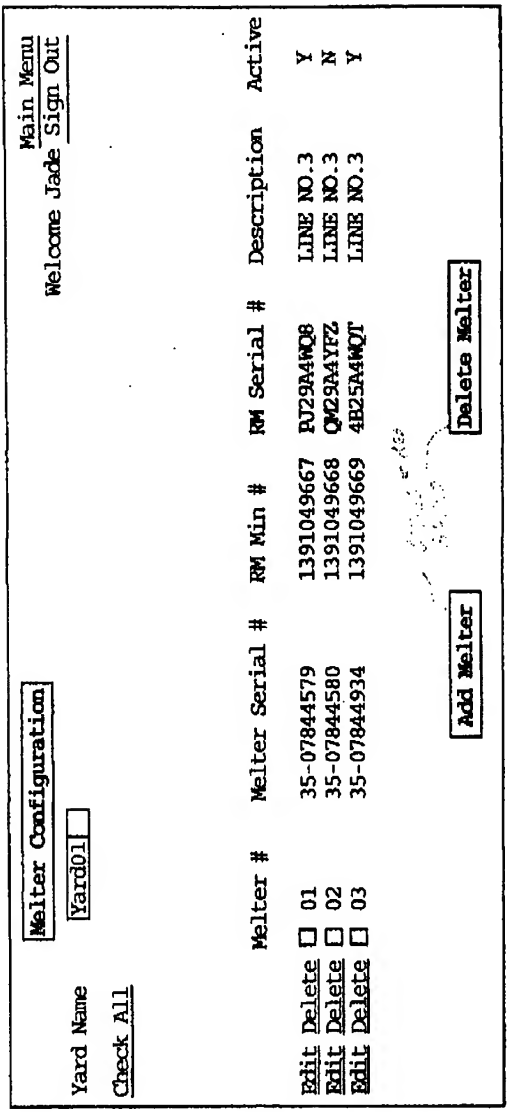
Melter Configuration
Main Menu
Welcome Jade Sign Out
Yard Name Yard01
Check All
Melter # Melter Serial # RM Min # RM Serial # Description Active
Edit Delete 01 35-07844579 1391049667 RU29A4WQ8 LINE NO.3 Y
Edit Delete 02 35-07844580 1391049668 QW29A4YFZ LINE NO.3 N
Edit Delete 03 35-07844934 1391049669 4B25A4WQT LINE NO.3 Y
Add Melter
Delete Melter

Fig. 6b

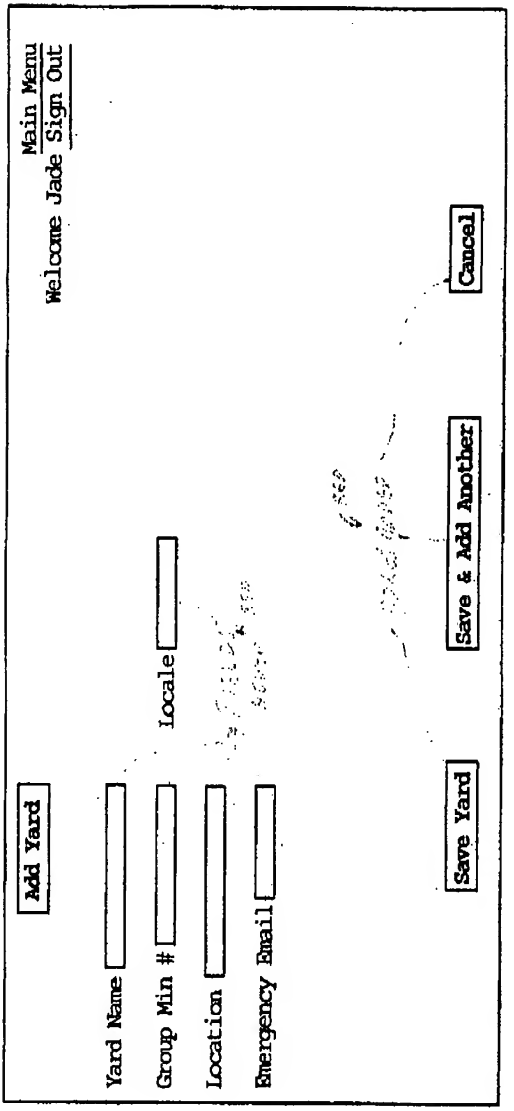
Main Menu
Welcome Jade Sign Out
Add Yard
Yard Name
Group Min #
Locale
Location
Emergency Email
Save Yard
Save & Add Another
Cancel

Fig. 6c

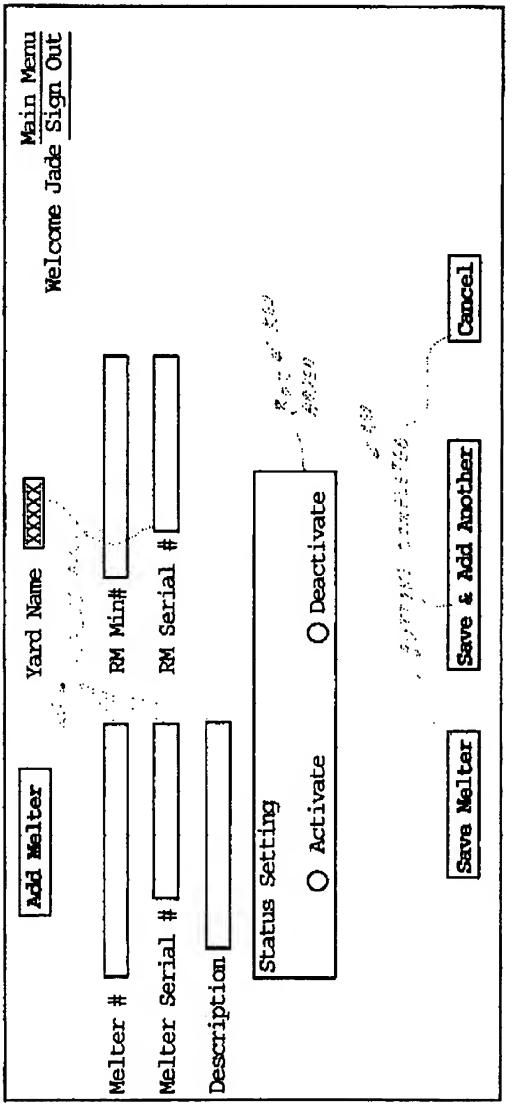
Add Melter
Yard Name XXXXX
Welcome Jade Sign Out
Main Menu
Melter #
RM Min#
RM Serial #
Melter Serial #
Description
Status Setting
Activate
Deactivate
Save Melter
Save & Add Another
Cancel

Fig. 6d

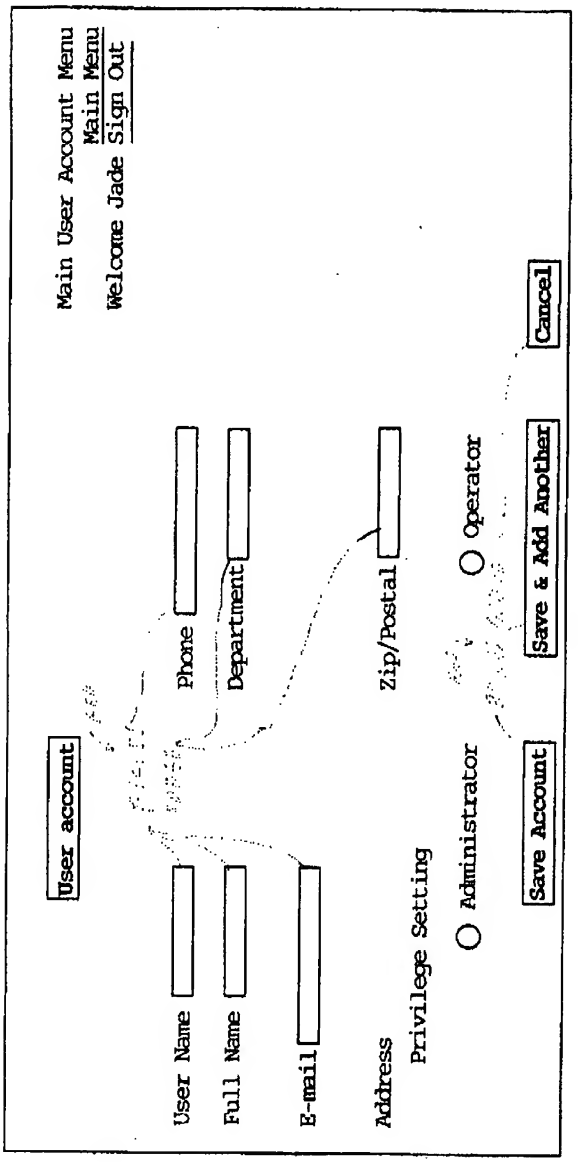
Main User Account Menu
Main Menu
Welcome Jade Sign Out
User account
User Name
Full Name
E-mail
Address
Phone
Department
Zip/Postal
Privilege Setting
Administrator
Operator
Save Account
Save & Add Another
Cancel

Fig. 7d

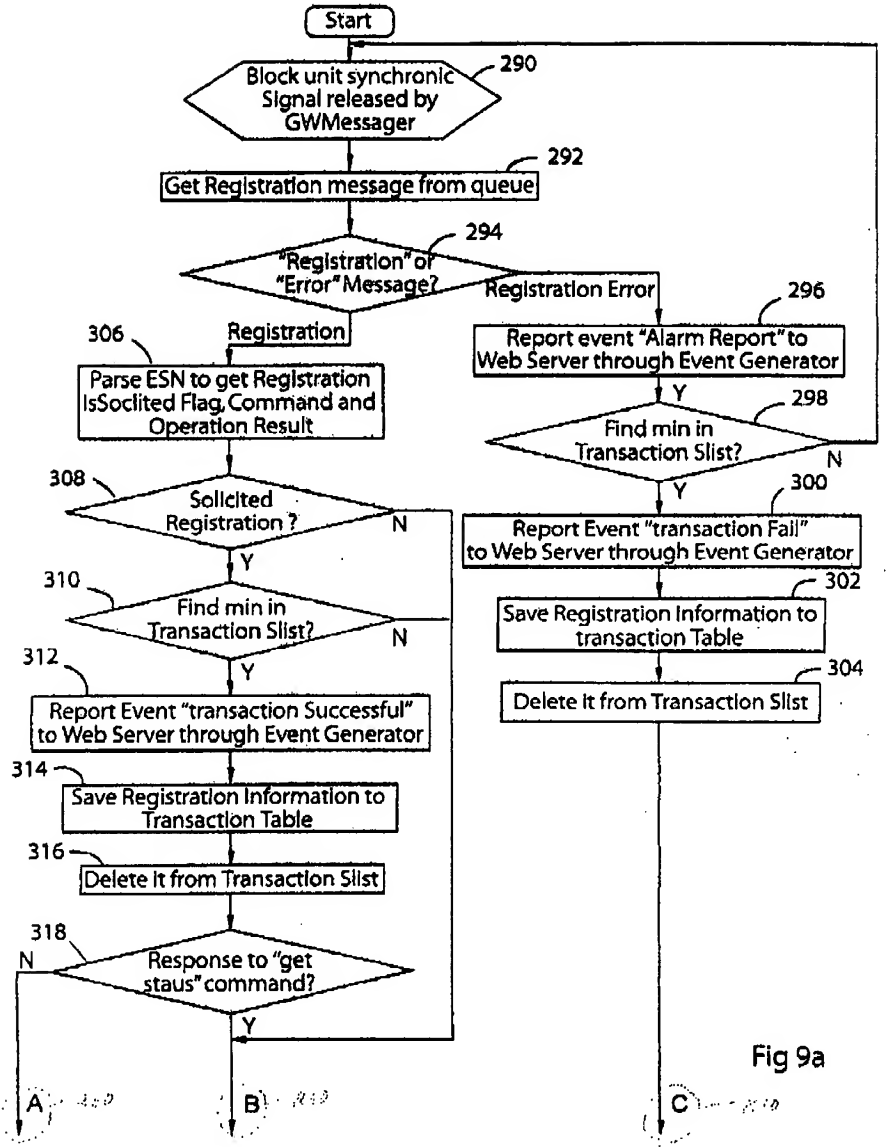
Start
Block unit synchronic Signal released by GWMessager
290
Get Registration message from queue
292
"Registration" or "Error" Message?
294
Registration
Registration Error
306
Parse ESN to get Registration IsSoclited Flag, Command and Operation Result
296
Report event "Alarm Report" to Web Server through Event Generator
Y
298
Find min in Transaction Slist?
N
Y
300
Report Event "transaction Fail" to Web Server through Event Generator
308
Solicited Registration ?
N
Y
310
Find min in Transaction Slist?
N
Y
302
Save Registration Information to transaction Table
304
Delete It from Transaction Slist
312
Report Event "transaction Successful" to Web Server through Event Generator
314
Save Registration Information to Transaction Table
316
Delete It from Transaction Slist
318
N
Response to "get staus" command?
Y
A
B
C

Fig 9a

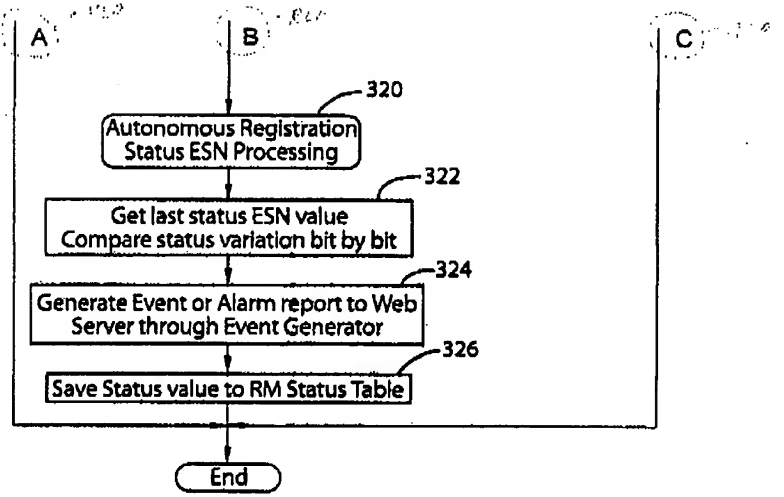
A
B
C
320
Autonomous Registration Status ESN Processing
322
Get last status ESN value Compare status variation bit by bit
324
Generate Event or Alarm report to Web Server through Event Generator
326
Save Status value to RM Status Table
End

Fig. 9aa